

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: October 5, 2002, 13:59:02 ; Search time 93.19 Seconds
(without alignments)

Scoring table: IDENTITY_NUC ;
Gpop 10.0 , Gapext 1.0

Title: US-08-153-397A-1

Perfect score: 3962.

Sequence: 1 CGGGCTGAGACTGGGTGA.....AAAAAAAACCGGAATC 3962.

Searched: 383533 seqs, 12816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /con2_6/podata/2/ina/5A_COMB.seq:*

2: /con2_6/podata/2/ina/5B_COMB.seq:*

3: /con2_6/podata/2/ina/5A_COMB.seq:*

4: /con2_6/podata/2/ina/5B_COMB.seq:*

5: /con2_6/podata/2/ina/PC1US_COMB.seq:*

6: /con2_6/podata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3962	100.0	3952	1 US-08-336-343A-1
2	3451	87.1	3637	1 US-08-445-640-3
3	3451	87.1	3637	3 US-08-170-558-3
4	3451	87.1	3637	3 US-08-447-314-3
5	3451	87.1	3637	3 US-08-445-461-3
6	1192	30.1	1197	1 US-08-445-640-1
7	1192	30.1	1197	3 US-08-170-558-7
8	1192	30.1	1197	3 US-08-441-314-7
9	1192	30.1	1197	3 US-08-441-461-7
10	642	16.2	3157	1 US-08-336-343A-3
11	642	16.2	3157	1 US-08-336-343A-5
12	639	8.8	3120	1 US-08-450-647B-19
13	639	8.8	3120	2 US-08-237-401A-19
14	182	4.6	2820	1 US-08-286-308A-4
15	182	4.6	2820	2 US-08-441-10A-4
16	182	4.6	2820	4 US-08-440-816A-4
17	182	4.6	2820	4 US-09-417-381A-4
18	180	6	2301	1 US-08-06-691B-23
19	180	6	2301	5 PCT-US93-06251-78
20	180	6	3060	1 US-08-286-308A-6
21	180	6	3060	2 US-08-441-10A-6
22	180	6	3060	4 US-08-440-816A-6
23	180	6	3060	6 US-09-417-381A-6
24	180	6	3194	2 US-08-286-846A-1
25	180	6	3194	2 US-08-457-889A-1
26	180	6	3194	3 US-08-444-622A-1
27	180	6	3194	3 US-08-444-622A-1

ALIGNMENTS

RESULT	1	US-08-336-343A-1
Sequence 1, Appli	Sequence 1, Application US/08336343A	Patent No. 5677144
GENERAL INFORMATION:	APPLICANT: Ulrich, Axel	APPLICANT: Alves, Frauke
	TITLE OF INVENTION: CCK-2, A NO. 5677144el Receptor Tyrosine Kinase	NUMBER OF SEQUENCES: 43
	CORRESPONDENCE ADDRESS:	ADRESSE: Pennie & Edmonds
	STREET: 1155 Avenue of the Americas	CITY: New York
	STATE: New York	STATE: New York
	COUNTRY: U.S.A.	COUNTRY: U.S.A.
	ZIP: 10036-2711	ZIP: 10036-2711
COMPUTER READABLE FORM:	MEDIUM TYPE: Floppy disk	COMPUTER: IBM PC Compatible
	OPERATING SYSTEM: PC-DOS/MS-DOS	OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:	APPLICATION NUMBER: US/08/336,343A	APPLICATION NUMBER: US/08-1994
	FILING DATE: 08-NOV-1994	CLASSIFICATION: 435
	ATTORNEY/AGENT INFORMATION:	NAME: Coruzzi, Laura A.
	REGISTRATION NUMBER: 30,742	REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:	TELEPHONE: (212) 790-9090	TELEFAX: (212) 869-7741/8864
	TELEX: 66141 PENNIE	TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:	SEQUENCE CHARACTERISTICS:	SEQUENCE LENGTH: 3962 base pairs
	TYPE: nucleic acid	STRANDEDNESS: double
	TOPOLOGY: unknown	MOLECULE TYPE: cDNA
	HYPOTHETICAL: NO	ANTI-SENSE: NO
FEATURE:	NAME/KEY: CDS	LOCATION: 321..3077

Query Match Best Local Similarity 100.0%; Score 3962; DB 1; Length 3962;

QY 2161 AGAGCTTGCGAGGGCAGTTGGGAGGTGACCTGTCGACAAGCCTCAAG 2220
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 Db 2221 ATCAGGTCAGTCITGATTPCCCTTAATGTCCTAAGGACACCTTGTGCTAG 2280
 QY 2281 TCAAGATTCAGGCCAGATGCCAGAAAGAACATGCCAGCTTCCTGTCICCCAGGT 2340
 Db 2281 TCAAGATTCAGGCCAGATGCCAGAAAGAACATGCCAGCTTCCTGTCICCCAGGT 2340
 QY 2341 ATTCTCTGAAGAGGTGAGATCATGAGGCTCAAGGACCCACATCATTCGGCTC 2400
 Db 2341 ATTCTCTGAAGAGGTGAGATCATGAGGCTCAAGGACCCACATCATTCGGCTC 2400
 QY 2401 TGGCGTGTGTGTCAGGCCAAATGCCACCAAGAAAGCAGCTTCCTGTCAG 2460
 Db 2401 TGGCGTGTGTGTCAGGCCAAATGCCACCAAGAAAGCAGCTTCCTGTCAG 2460
 QY 2461 AACTCAACCAGCTCTCGTCGACACCGAGTGGAGCAGAGCAGCTGGGAGCG 2520
 Db 2461 AACTCAACCAGCTCTCGTCGACACCGAGTGGAGCAGAGCAGCTGGGAGCG 2520
 QY 2521 GGGACGGCAGGCTGCGAGGGCCACCATGAGCTACCAATGCTGCTGCTGGCAG 2580
 Db 2521 GGGACGGCAGGCTGCGAGGGCCACCATGAGCTACCAATGCTGCTGCTGCTGGCAG 2580
 QY 2581 CCCAGATGCCATGGCATGCCATATCGGCCACACTCGGCCACACTTGTGAC 2640
 Db 2581 CCCAGATGCCATGGCATGCCATATCGGCCACACTTGTGAC 2640
 QY 2641 CCACGCGAAGCTGCCTAGTGGAAATTACCATCAAATGCGAGCTGGCATG 2700
 Db 2641 CCACGCGAAGCTGCCTAGTGGAAATTACCATCAAATGCGAGCTGGCATG 2700
 QY 2701 GCGGAACCTCTATGCTGGGACTATACCGCTGCAAGGGGGCACTGGCTCCCATCC 2760
 Db 2701 GCGGAACCTCTATGCTGGGACTATACCGCTGCAAGGGGGCACTGGCTCCCATCC 2760
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 Db 2761 GCTGGATGGCCCTGGACTGCAATCTCATGCGAGTTCACGACTGCGAGTGTGG 2820
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 Db 2821 CCTTGGTGTGRCGCCCTGGAGGTGTCATCTCTAGGGAGATTCACGACTGCGAGTGTGG 2880
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 Db 3061 ATGCACTCAACCGGTTGATCACATCCAGCTGCCCTCCAGGGAGTGATCCAG 3120
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Db 3241 CTGATGCCCTTCCTCCCTCTGGACACACTCTATGCCCCCTCTCTCC 3300
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 Db 3301 TAGAGGCCCTGTCGCCACCTGCGCTGGGATGAGGATCTCCACCCCTCT 3360
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 QY 3481 TCTCCTCTGTCACACATGCGACCCACTGGCTGAGATCTGGGTCAGGGACAGA 3540
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 Db 3541 AGGAGGAAAGTTCCTGAGCTGCTCCCTGACTTGCCAGGAGCTGGCC 3600
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 Db 3601 CTCCCTCACCTGAGACACTSGACCTGGGGTAGGCCGCCAGCCCTAGTCACCC 3660
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 Db 3721 TAATATGGATGGGGAAAGAGGGAGCAAGGCCATACGCCCTGGGACATC 3780
 QY 3781 TCTAGTGTGAGCTGCCACATGATTTCTATACCTGGGTTGACATTGTTGGG 3840
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 QY 3841 GGAGAGACAGATTTACAPTAATGAGCTACTGGGAAATTAACTCCCT 3900
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 Db 3901 GCAGTAGCAGATTTCACATTAATGGACTACTGGGAAATTAACTCCCT 3960
 QY 3961 TC 3962
 Db 3961 TC 3962

RESULT 2
 US 08-445-640-3
 ; Sequence 3, Application US/08445640
 ; Patent No. 5,70858
 ; GENERAL INFORMATION:
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Scadden, David T.
 ; APPLICANT: Baker, Kevin P.
 ; TITLE OF INVENTION: Protein Tyrosine Kinases
 ; NUMBER OF SEQUENCES: 35
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445,640
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/10558
 FILING DATE: 20-DEC-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/922-9881
 TELEX: 910371-7168
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3637 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-640-3

Query Match, Best Local Similarity 87.1%; Score 3431; DB 1; Length 3637;
 Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

Qy 256	GTTGACTTGAAAGAATGCCAACAGATCTGCCTCACCCCTAGSCCGAGGGATCAG	315	Db 17	GTTGACTTGAAAGAATGCCAACAGATCTGCCTCACCCCTAGGCCGAGGGATCAG	76
Qy 316	GAGCTATGGACCAAGGAGCCCTTCATCTTACTGCTCTGGGAGGTGGAG	375	Db 77	GACGTTGGACCAAGGAGCCCTTCATCTTACTGCTCTGGGAGGTGGAG	136
Qy 376	ATGCTGACATGAAGGACATTGATCCGCAAGTGCCTGGGATGCGAG	435	Db 137	ATGCTGACATGAAGGACATTGATCCGCAAGTGCCTGGGATGCGAG	196
Qy 436	ACCGGACCATCCAGACATGACATCTGCTTCAGTCCACTCGCCG	495	Db 197	ACCGGACCATCCAGACATGACATCTGCTTCAGTCCACTCGCCG	256
Qy 496	CCGCCACAGCAGCTGGAGAGACTGACGGGATGGGGATGGGGCTGTGCCCCGGAGGGTGG	555	Db 257	CCGCCACAGCAGCTGGAGAGACTGACGGGATGGGGATGGGGCTGTGCCCCGGAGGGTGG	316
Qy 556	TGTTTCCAAAGGGAGGAGTAATGCGAGTACATCAACAGACTCACCINGGTGCTC	615	Db 317	TGTTTCCAAAGGGAGGAGTAATGCGAGTACATCAACAGACTCACCINGGTGCTC	376
Qy 616	TGTTGGGACCCGGAGGGATGCCGGGCTGGCAAGGAGTCTCCGGAGCTACC	675	Db 377	TGTTGGGACCCGGAGGGATGCCGGGCTGGCAAGGAGTCTCCGGAGCTACC	436
Qy 676	GTTGCGTACTCCGGATGGCTGGCCCTGGAGGCTGGCGCTGGTCAAG	735	Db 437	GTTGCGTACTCCGGATGGCTGGCCCTGGAGGCTGGTCAAG	496
Qy 736	AGGGATCTAGGCAATAGGACCTGGAGGACTCTGGAGGACTCTGGCC	795	Db 497	AGGGATCTAGGCAATAGGACCTGGAGGACTCTGGAGGACTCTGGCC	556
Qy 796	TGTTGCGCAGCTGGTCTACCCCGGGCTGACCGGCTCATGAGTGTGTC	855	Db 557	TGTTGCGCAGCTGGTCTACCCCGGGCTGACCGGCTCATGAGTGTGTC	616

Qy 856 GGGTAGAGGCTATGGCTCCCTGGAGGATGGACTCTGTCTACCGCCCTGNG 915
 Db 617 GGTRAGAGCTATGGCTCCCTGGAGGATGGACTCTGTCTACCGCCCTGNG 676
 Qy 916 GGCAGACATACTGTTATGGAGGCGCTTACCTAACCACTCCACCTATGAGGACA 975
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 Db 737 CGGGGGGACTGCACTGGGCTCTGGCCACTGGCAGATGGTGGTGGGCTG 796
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 Qy 1096 GCAACCAAGCTTCTCCAGTGGCTATGAGTGGAGTGGAGTTGAGTTGAGGATGCA 1155
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 Db 917 CCTTCCAGCTATCAGGCACTGTAACACATGACACGCGCTGGAGGCCGCTGCTG 916.
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 Db 977 GCGGGTGAATGPGCTTCCGGGTGGCCATGGCCTGGAGGGCCATGC 1036
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 Db 1097 GCGCCGCTGGCCCGCTCTCGCACTGCTCTCGCCATGCTCTTGGGGCCCTGTTACTCT 1156
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 Db 1157 TCAGGAAATCTCTCATCTGATGTTGACAACTCTCTCGGACTGGAGGA 1216
 Qy 1456 CCTTCCGGCAGCCCTGTTGGCCGCTGGCCGCTGGCCACCTCCACACTTCAGCAGCTTG 1515
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 Qy 1516 AGCTGGACCCAGGGAGCAGCCGGCTGGCCGAGGCCGAGGCCGACGCCAC 1575
 Db 1277 AGCTGGACCCAGGGAGCAGCCGGCTGGCCGAGGCCGACGCCAC 1336
 Qy 1576 TCATGGCTCTGTGCCATCATCCCTCTCTGCTGCTCTCATGCCCCTATGCTCT 1635
 Db 1337 TCATGGCTCTGTGCCATCATCCCTCTGCTGCTCTCATGCCCCTATGCTCT 1396
 Qy 1636 GGGGCTTCACTGGCGAGCTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1695
 Db 1397 GGGGCTTCACTGGCGAGCTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1456
 Qy 1696 TGGGGTCACTCTCTCTGGGAGGACTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1755
 Db 1457 TGGGGTCACTCTCTCTGGGAGGACTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1516
 Qy 1756 GAGGCCACCCCGTACCGAGGACCCCGCTGGAGGACTCTGGCCCTCTGGCTCT 1815
 Db 1517 GAGGCCACCCCGTACCGAGGACCCCGCTGGAGGACTCTGGCCCTCTGGCTCT 1576
 Qy 1816 GTGTCCTCATGCTCTGGCTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1875
 Db 1577 GTGTCCTCATGCTCTGGCTCTGGCTCTGAGGAGGGTGTGAGGAGGC 1636
 Qy 1876 CTTACGGCGCTCCCGTCCAGGAGCCGGCCCTGGGAGATGGCCCTCTGGCTCT 1935
 Db 1637 CTACGGCGCTCCCGTCCAGGAGCCGGCCCTGGGAGATGGCCCTCTGGCTCT 1696

QY 1936 ACACCCAGGCCATACAGTGGGACTATGGAGCCTGAGAAGCCAGGGCCCGCTTCAGC 1995
 Db 1697 ACACCCAGGCCATACAGTGGGACTATGGAGCCTGAGAAGCCAGGGCCCGCTTCAGC 1756
 QY 1996 CCCAACCTCCCAGAACAGCGTCCCCATTATGCCGAGGTACATTTGTTACCTGAGG 2055
 Db 1757 CCCAACCTCCCAGAACAGCGTCCCCATTATGCCGAGGTACATTTGTTACCTGAGG 1816
 QY 2056 GGTACCGGGCAACACCTTGCTGCGCAGTGCCTCCAGGGACTACATGTTACCTGAGG 2115
 Db 1817 GGTACCGGGCAACACCTTGCTGCGCAGTGCCTCCAGGGACTACATGTTACCTGAGG 1876
 QY 2116 GGCCTCCAGAGTGGATTCCGATCTCGACTCCGCTGAGGAGACTTGGGAGG 2175
 Db 1877 GGCCTCCAGAGTGGATTCCGATCTCGACTCCGCTGAGGAGACTTGGGAGG 1936
 QY 2176 GCGAGTTGGGAGGPGCACCTGTTGAGGNGACAGCCCTCAAGAGCTGCTCAGHCT 2235
 Db 1937 GCGAGTTGGGAGGPGCACCTGTTGAGGNGACAGCCCTCAAGAGCTGCTCAGHCT 1996
 QY 2236 ATTCCCCCTTAATGTCGTTAGGGACACCTTGCTGGTAGTGTGAGG 2295
 Db 1997 ATTCCCCCTTAATGTCGTTAGGGACACCTTGCTGGTAGTGTGAGG 2235
 QY 2296 CAGATGCCACCAAAGATGCCAGTCCTCTGTTCTCAGGATGATTCTGAAGAGG 2355
 Db 2057 CAGATGCCACCAAAGATG-----CCAGGAATGATTCTGAAGAGG 2098
 QY 2356 TGAAGATCATGTCGAGGCTCAAGGACCCACATAATTGCCCTGCCTGGGTGTC 2415
 Db 2099 TGAAGATCATGTCGAGGCTCAAGGACCCACATAATTGCCCTGCCTGGGTGTC 2158
 QY 2416 AGGAGACCCCTCTGCAATGATATTGACTACATGAGAACGCGACCTAACAGTTC 2475
 Db 2159 AGGAGACCCCTCTGCAATGATATTGACTACATGAGAACGCGACCTAACAGTTC 2218
 QY 2476 TCACTGCCACCACTGGAGGACAGGCAGCCAGGGGCCCTGGGAGGGAGGTG 2535
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 QY 2536 CGCAGGGCCACCATCACGCTACCCATGCTGCTCATGGCACCCAGATCGCTCC 2395
 Db 2279 CGCAGGGCCACCATCACGCTACCCATGCTGCTCATGGCACCCAGATCGCTCC 2338
 QY 2596 GCATGCCATATGCCAACACTAACCTTGATCACMCGGACCTGCCAGGACTGCC 2655
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 QY 2656 TAGTTGGGAAATTCAACATCAAATGCCAACCTTGCTGAGCCGAACCTCTG 2715
 Db 2399 TAATGGGAAATTCAACATCAAATGCCAACCTTGCTGAGCCGAACCTCTG 2458
 QY 2716 CTGGGATATTACCGGTTGAGGCGAGGGCCGGAGTGCTGCCATCCGCTGATGG 2775
 Db 2459 CTGGGACTATTACCGGTTGAGGCGAGGGCCGGAGTGCTGCCATCCGCTGATGG 2518
 QY 2776 AGGCATCTCATGGGAGTGTACGCTGCGAGGTGGTGGCCATTGGGTGACCC 2835
 Db 2519 AGGCATCTCATGGGAGTGTACGCTGCGAGGTGGTGGCCATTGGGTGACCC 2578
 QY 2836 TGTTGGGAGGTGCTGAGTCTGGGACCCCTTGGAGCTACCGAGGAGCAG 2895
 Db 2579 TGTGGGAGGTGCTGAGTCTGGGACCCCTTGGAGCTACCGAGGAGCAG 2638
 QY 2896 TCATCGAGAACGGGGGAGTCTGGGACCCCTTGGAGCTACCGAGGAGCAG 2955
 Db 2639 TCATCGAGAACGGGGGAGTCTGGGACCCCTTGGAGCTACCGAGGAGCAG 2698
 QY 2956 CGCTGCTGCCGAGGGCTATATGAGCTGAGTGCCTGGGAGGAGGAGCTG 3015
 Db 2699 CGCTGCTGCCGAGGGCTATATGAGCTGAGTGCCTGGGAGGAGGAGCTG 2758
 QY 3016 AGGAGGACCCCTTCCAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGC 3075

Db 2759 AGCAGCGACCCCTTCCAGCTGCACTCGGTTCCAGAGGAGGAGCAGCAGG 2818
 QY 3076 TGTGAATCTACACATCCAGCTGCCCTCCAGGGACTATGCCAGGGAGCCAG 3135
 Db 2819 TGTGAATCTACACATCCAGCTGCCCTCCAGGGACTATGCCAGGGAGCCAG 2878
 QY 3136 CTAAACAGAGACACATGGCACCTGCGCTTCCCTCCGACAGGGCATACCT 3195
 Db 2879 CTAAACAGAGACACATGGCACCTGCGCTTCCCTCCGACAGGGCATACCT 2938
 QY 3196 AATAGAGCAGTGAGACTGAGCTGGAGCTGGCCACCCAGGGAGTGATGCC 3255
 Db 2939 ATAGAGCAGTGAGACTG----- 2958
 QY 3256 CCCTTCTGGACACATCTCATGCCCCCTCTGCTCTCTCTCTCTCTCTCT 3315
 Db 2959 ----- 2972
 QY 3316 CCCACCCAGCTGCTGTTGGATGGGATCTCCACCCCTCTCTCTCTCTCT 3375
 Db 2973 CCCACCCAGCTGCTGCTGCTGATGGATCCCTCCACCCCTCTCTCTCT 3032
 QY 3376 AAGGGGGAGAATATGGATAGACATGCCAGATGGGAGCTGGAGGAGCTGGCCC 3435
 Db 3033 AAGGGGGAGAATATGGATAGACATGCCAGATGGGAGCTGGAGGAGCTGGCCC 3092
 QY 3436 ACTGGACACACTGATCTCGAGGAGGTGCTGCG-CCCAGCTCTCTCTCTCT 3494
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 QY 3555 TTCCCTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3614
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 QY 3615 GAAACACTGAGCTGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3674
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 QY 3675 CAGCTTGAGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3734
 Db 3333 CAGCTTGAGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3392
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 Db 3393 GGGGGAAAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3452
 QY 3795 CACATTGATTTCTCTATACACTTGGGTTGAGCTATTGGGGAGGAGCACAG 3854
 Db 3453 CACATTGATTTCTCTATACACTTGGGTTGAGCTATTGGGGAGGAGCACAG 3512
 QY 3855 TTTCACACTATATGGCTACTTGAGGCAATTATCCCTGCACTGGAGCA 3914
 Db 3513 TTTCACACTATATGGCTACTTGAGGCAATTATCCCTGCACTGGAGCA 3572
 QY 3915 ATATAAAGGTGAGTTCCACAAAAAAA 3953
 Db 3573 ATAATAAAGGTGAGTTCCACAAAAAAA 3611

RESULT 3

US-08-170-558-3

; Sequence 3, Application US/08170558

; Patent No. 600621

; GENERAL INFORMATION:

; APPLICANT: Godowski, Paul J.

; APPLICANT: Scadden, Melanie R.

; APPLICANT: Baker, Kevin P.

QY	1816	GTTGCCCAATGGCCTCGCCGCTCTCCAACTCAGGCCACGCCCTCTCTGGCA	1875
Db	1577	GTTGCCCAATGGCCTCGCCGCTCTCCAACTCAGGCCACGCCCTCTCTGGCA	1636
QY	1876	CTAGGCCCTCCCTCGAGGCCACGCCCTCGAGGCCACGCCCTCTCTGGCA	1935
Db	1637	CTAGGCCCTCCCTCGAGGCCACGCCCTCGAGGCCACGCCCTCTCTGGCA	1696
QY	1936	ACACCCAGGCTCATGGGACTATGGGACTATGGGACTATGGGACTATGGG	1995
Db	1697	ACACCCAGGCTCATGGGACTATGGGACTATGGGACTATGGGACTATGGG	1756
QY	1996	CCGACCTCCCAGAACAGGCTCCATTATGCCAGGGTGAATGTACCTGAGG	2055
Db	1757	CCGACCTCCCAGAACAGGTTGCCATTATGCCAGGGTGAATGTACCTGAGG	1816
QY	2056	GCGTACCGGGGAAACACCTATCTGTCCTGACTGCCCCAGGGAGTCGGGAG	2115
Db	1817	GCGTACCGGGGAAACACCTATCTGTCCTGACTGCCCCAGGGAGTCGGGAG	1876
QY	2116	GGCCCCCAGAGTGGATTCCCTGAGTCAGTGACTCCAGGGAGTCGGGAG	2175
Db	1877	GGCCCCCAGAGTGGATTCCCTGAGTCAGTGACTCCAGGGAGTCGGGAG	1936
QY	2176	GCGAGTGGGGAGGTGCACCTGTGAGCGACGCCCTCAAGATCTGAGTCAG	2235
Db	1937	GCGAGTGGGGAGGTGCACCTGTGAGCGACGCCCTCAAGATCTGAGTCAG	1996
QY	2236	ATTGCCCTTAATGTTGTAAGGACACCCCTTGCTGTAAGTGTCAAGATCTAC	2295
Db	1997	ATTGCCCTTAATGTTGCTAAGGACACCCCTTGCTGTAAGTGTCAAGATCTAC	2056
QY	2296	CAGATGCCACCAAGAATGCCAGTTCTCTGTCTCAGGATGATATTCCTGAAAGG	2355
Db	2057	CAGATGCCACCAAGAATGCCAGTTCTCTGTCTCAGGATGATATTCCTGAAAGG	2098
QY	2356	TGAGATCATGTGAGGTCAAAGACCCACATCATCGCTGCTGGGGTGTG	2415
Db	2099	TGAGATCATGTGAGGTCAAAGACCCACATCATCGCTGCTGGGGTGTG	2158
QY	2416	AGGACGACCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	2475
Db	2159	AGGACGACCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	2218
QY	2476	TGTGTCACCAAGCTGAGGACAAGCAGGGGAGGGGCCCTGGGACGGCAGGT	2535
Db	2219	TGTGTCACCAAGCTGAGGACAAGCAGGGGAGGGGCCCTGGGACGGCAGGT	2278
QY	2536	CGAGGCCACCATCGCTACCCATGCTGCTGCTGCTGCTGCTGCTGCTG	2595
Db	2279	CGAGGCCACCATCGCTACCCATGCTGCTGCTGCTGCTGCTGCTGCTG	2338
QY	2596	GTATGCCATCTGGCCACACTCACTTGTACATCGGACCTGGCACCGGAACTGCC	2655
Db	2339	GTATGCCATCTGGCCACACTCACTTGTACATCGGACCTGGCACCGGAACTGCC	2398
QY	2656	TGTTGGGAAATTCAACATCGAGACTTGGATGAGGGGAACTCTAG	2715
Db	2399	TGTTGGGAAATTCAACATCGAGACTTGGATGAGGGGAACTCTAG	2458
QY	2716	CTGGGACTATACCGTGTGAGGGGGAGTGTGCTGCCATCCGGTGGCTGG	2775
Db	2459	CTGGGACTATACCGTGTGAGGGGGAGTGTGCTGCCATCCGGTGGCTGG	2518
QY	2776	AGTCATCTGGGAAAGGTACCACTGGGACTATGGGACTATGGGACTATGGG	2835
Db	2519	AGTCATCTGGGAAAGGTACCACTGGGACTATGGGACTATGGGACTATGGG	2895
QY	2836	TGTTGGGAGGTCTGAGCTGCTGAGCTGAGCTGAGCTGAGCTGAGCTG	2895
Db	2579	TGTTGGGAGGTCTGAGCTGCTGAGCTGAGCTGAGCTGAGCTGAGCTG	3611
QY	2895	TATGGAGAAGCGGGGAGTCTCTGCGACCGAGGGGGAGTCTCTGGCG	2955
Db	2639	TATGGAGAAGCGGGGAGTCTCTGCGACCGAGGGGGAGTCTCTGGCG	2698
QY	2956	CGCTCTGCGCCGAGGGCTATATGAGCTGAGCTGAGCTGAGCTGAGCTG	3015
Db	2699	CGCTCTGCGCCGAGGGCTATATGAGCTGAGCTGAGCTGAGCTGAGCTG	2758
QY	3016	AGCAGGACACCTTTCAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG	3075
Db	2759	AGCAGGACACCTTTCAGCTGAGCTGAGCTGAGCTGAGCTGAGCTG	2818
QY	3076	TGTGAATCACACATGCCAGTGCCAGGAGTCCAGGAGGAGTCCAGGAG	3135
Db	2819	TGTGAATCACACATGCCAGTGCCAGGAGTCCAGGAGGAGTCCAGGAG	2878
QY	3136	CTAACACAGAGGAGCACAACTGAGCTGAGCTGAGCTGAGCTGAGCT	3195
Db	2879	CTAACACAGAGGAGCACAACTGAGCTGAGCTGAGCTGAGCTGAGCT	2938
QY	3196	AATAGAGGAGTGAACCTGGGCTGGGCCCCACCCAGGGAGCTGATGCC	3255
Db	2939	AATAGAGGAGTGAACCTGGGCTGGGCCCCACCCAGGGAGCTGATGCC	2958
QY	3256	CCCTCTGAGCACACTCTCATGTCCTCCCTCTGTCCTCTGAGCTGAG	3315
Db	2959	CCCTCTGAGCACACTCTCATGTCCTCCCTCTGAGCTGAGCTGAG	3111
QY	3316	CCCACCCAGCTGGCTCTGGATGGGATCTCCACCTCTCTACCCATCC	3375
Db	2973	CCCACCCAGCTGGCTCTGGATGGGATCTCCACCTCTCTACCCATCC	3032
QY	3376	AASGGTGGGAGAATATGGGATAGAGCTGAGCATGCCATTGGACACCTGG	3435
Db	3033	AASGGTGGGAGAATATGGGATAGAGCTGAGCATGCCATTGGACACCTGG	3092
QY	3436	ACTGGACACACTGATCTGGAGGAGCTGGCTGG -CCACACTCTCTGAC	3494
Db	3093	ACTGGACACACTGATCTGGAGGAGCTGGCTGGCGCCCCAGCTCTCFC	3152
QY	3495	ACACTGAGCCACCTGCTGAGATCTGGGGTGGAGGAGCAAGAGGAGAAG	3554
Db	3153	ACACTGAGCCACCTGCTGAGATCTGGGGTGGAGGAGCAAGAGGAGAATG	3212
QY	3555	TTCTCTGCTCTCTGTACTGTCTGAGCTGAGCTGGCTCTCTCTGCA	3614
Db	3213	TTCTCTGCTCTCTGTACTGTCTGAGCTGAGCTGGCTCTCTCTGCA	3272
QY	3615	GAACACCTGGAGCTGGGGTAGGCCCTGCCAGGCCCTACCTCCACTTG	3674
Db	3273	GAACACCTGGAGCTGGGGTAGGCCCTGCCAGGCCCTACCTCCACTTG	3332
QY	3675	CACTCTGCTGAGACTCTCTGAGCTAAGCTATAAGCTTCTGGAGTAATGGATT	3734
Db	3333	CACTCTGCTGAGACTCTCTGAGCTAAGCTATAAGCTTCTGGAGTAATGGATT	3392
QY	3735	GGGGGAGAGGGAGAACGCCCATAGCTGCTGGGGTGGAGAAATGGCTG	3794
Db	3393	GGGGGAGAGGGAGAACGCCCATAGCTGCTGGGGTGGAGAAATGGCTG	3452
QY	3795	CACATGATTTCTATCACTCTGGGGTGTACATTGGGGAGAGCACAG	3854
Db	3453	CACATGATTTCTATCACTCTGGGGTGTACATTGGGGAGAGCACAG	3512
QY	3855	TTTACCTAAATAGGACTAGCTGAGCAATTAACTCTGAGCTGAGCT	3914
Db	3513	TTTACCTAAATAGGACTAGCTGAGCAATTAACTCTGAGCTGAGCT	3572
QY	3915	ATAATAAGGTTGAGTTCCACAAAAAAAGAAA	3953
Db	3573	ATAATAAGGTTGAGTTCCACAAAAAAAGAAA	3611

Db	1397	GCGCAGCTACTGGCCAGCCTCCATCGCAAGGTTGAAGGGGGTGTGAAAGGAGC	1456
Qy	1696	TGAGGTTAACCTCTGTCACCTGGACACTAATCTCATCACACCGGCCASSTCCTA	1755
Db	1457	TGAGGTTAACCTCTGTCACCTGGACACTAATCTCATCACACCGGCCAGTCTCA	1516
Qy	1756	GAGGCCACCCCTACCGASCCCSGCTCTGGAACTCCATCCAACTCCGCTTC	1815
Db	1517	GAGGCCACCCCTACCGASCCCSGCTCTGGAACTCCATCCAACTCCGCTTC	1576
Qy	1816	GTGCCCCATGGCTCTCGTCTCGGAGGAGCCGGTACATATCTCATCACAC	1875
Db	1577	GTGCCCCATGGCTCTCGTCTCGGAGGAGCCGGTACATATCTCATCACAC	1636
Qy	1936	ACACCCAGCTAACAGTGAGGACTATATGAGGCTGAGGAGCCAGGAGCAG	1995
Db	1697	ACACCCAGCTAACAGTGAGGACTATATGAGGCTGAGGAGCCAGGAGCAG	1756
Qy	1996	COCACCTCCGACACGCGTCCCCTGAGGCCGCCCCACACCCGCTGGGAA	1935
Db	1637	COCACCTCCGACACGCGTCCCCTGAGGCCGCCCCACACCCGCTGGGAA	1696
Qy	1936	ACACCCAGCTAACAGTGAGGACTATATGAGGCTGAGGAGCCAGGAGCAG	1995
Db	1757	CCACACCTCCGACACGCGTCCCCTGAGGCCGCCCCACACCCGCTGGGAA	1816
Qy	2056	GCCTCACGGGGCACACCCATTGCTGCTGACTGCCCCAGGGAGTGGGAG	2055
Db	1817	GCCTCACGGGGCACACCCATTGCTGCTGACTGCCCCAGGGAGTGGGAG	1876
Qy	2116	GGCCCCCAGAGTGGATTCCTCGATCTGACTCCAGCTGAGCTGAGCTG	2175
Db	1877	GGCCCCCAGAGTGGATTCCTCGATCTGACTCCAGCTGAGCTGAGCTG	1936
Qy	2176	GCAGATGGAGGTGACACTCTGTGAGGGTACGCCCCAGGGAGTGGGAG	2235
Db	1937	GCAGATGGAGGTGACACTCTGTGAGGGTACGCCCCAGGGAGTGGGAG	1996
Qy	2236	ATTCCTTAATGTGCTGAGGGACCCCTTGTCTGAGTGTCTACCGC	2295
Db	1997	ATTCCTTAATGTGCTGAGGGACCCCTTGTCTGAGTGTCTACCGC	2056
Qy	2296	GAATGCCCCACCGAACTGCTCTCTGCTGAGGGAGTGGGAGTGGGAG	2355
Db	2057	GAATGCCCCACCGAACTGCTCTCTGCTGAGGGAGTGGGAGTGGGAG	2098
Qy	2356	TGAAGATCATGAGGAGCTCAAGGACCCACATCATCGCTGCTGGCTG	2415
Db	2099	TGAAGATCATGAGGAGCTCAAGGACCCACATCATCGCTGCTGGCTG	2158
Qy	2416	AAGGACCCCCCTCTGATGTTACTGACTCATGGAGAACCGCGACCTC	2475
Db	2159	AAGGACCCCCCTCTGATGTTACTGACTCATGGAGAACCGCGACCTC	2218
Qy	2476	TGAGTCCCCACCGAGGACAGGAGCCGGAGGGGCGCTGGGAGGAGC	2535
Db	2219	TGAGTCCCCACCGAGGACAGGAGCCGGAGGGGCGCTGGGAGGAGC	2278
Qy	2536	CGCAGGGGCCACCATCAGTACCCATGCTCTGCTGAGGCCAGTCCTCG	2595
Db	2279	CGCAGGGGCCACCATCAGTACCCATGCTCTGCTGAGGCCAGTCCTCG	2338
Qy	2596	CGATGGCTATCTGGCCACACTGCAACTTGTACATGGACCTGGCAC	2655
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Qy	2656	TAGTGGGAAATTCTCACCTCAAAATCGAGACTTGTGAGCCGGACCT	2715
Db	2399	TAGTGGGAAATTCTCACCTCAAAATCGAGACTTGTGAGCCGGACCT	2458
Qy	2716	CTGGGGACTATACCTGGGTTGACCTGGGAGGAGACAGAT	2775
Db	3459	CTGGGGACTATACCTGGGTTGACCTGGGAGGAGACAGAT	2518
Qy	2776	AGTGCTCTCTGAGGACTCCTGAGGACTCTGAGGACTCTGAGG	2835
Db	2519	AGTGCTCTCTGAGGACTCTGAGGACTCTGAGGACTCTGAGG	2578
Qy	2836	TGTTGGGGTGTGAGCTCTGAGGAGCTTGGGAGCTTGGGAGCT	2895
Db	2579	TGTTGGGGTGTGAGCTCTGAGGAGCTTGGGAGCTTGGGAGCT	2638
Qy	2896	TCATCGAGAAGGGGGAGTCTCGTCTGAGGCCAGCCCTTGGGAGCT	2955
Db	2699	CGCTCTCTGCCCCGGAGGGCTATATGAGCTGATGATGTCGTC	2758
Qy	3016	AGCAGGACACCCATTCCAGCTGTCCTGGGAGGAGCCAGTACCG	3075
Db	2759	AGCAGGACACCCATTTCCTGGGAGGAGCCAGTACCG	2818
Qy	3076	TGTGATCACATCCAGCTGCTGCTGAGCTGATGGTCTGGCAG	3135
Db	2879	TGTGATCACATCCAGCTGCTGCTGAGCTGATGGTCTGGCAG	2938
Qy	3196	AATAGGGAGTGTGACTGAGCTGAGGGTGGCTGGGAGGAGT	3255
Db	2939	AATAGGGAGTGTGACTGAGCTGAGGGAGGAGT	2958
Qy	3256	CCCTCTGGACACACTCTGTCGCCCCCTGCTCTGAGAGCCCTG	3315
Db	2959	CCCTCTGGACACACTCTGTCGCCCCCTGCTCTGAGAGCCCTG	2972
Qy	3316	CCACACCGAGCTGGCTGAGGATGCTCTCCACCTCTAGCCAT	3375
Db	2973	CCACACCGAGCTGGCTGAGGATGCTCTCCACCTCTAGCCAT	3032
Qy	3376	AAGGGGGAGAATATGGATAGACACTGGACATGGACATGGAC	3435
Db	3033	AAGGGGGAGAATATGGATAGACACTGGACATGGACATGGAC	3092
Qy	3436	ACTGGACAACTGTGTTCTGGAGGGTGGCTGG-CCCAGCTTC	3494
Db	3093	ACTGGACAACTGTGTTCTGGAGGGTGGCTGG-CCCAGCTTC	3152
Qy	3495	ACATGAGCCCCACTGTGAGGAGTCTGGGGTAGGGAGGAGAATG	3554
Db	3153	ACATGAGCCCCACTGTGAGGAGTCTGGGGTAGGGAGGAGAATG	3212
Qy	3555	TTTCCTTGCGCTCTGGTACTGTGAGGAGTCTGGGGTAGGGAG	3614
Db	3213	TTTCCTTGCGCTCTGGTACTGTGAGGAGTCTGGGGTAGGGAG	3272
Qy	3615	GAACACTGAGCTGGGGTAGGCCGCCAGCCCTGAGTACCCACT	3674
Db	3273	GAACACTGAGCTGGGGTAGGCCGCCAGCCCTGAGTACCCACT	3322
Qy	3675	CAGCTCTAGTGTGAGCTCTGAGGACTCTGAGGAAATATGGATT	3734
Db	3333	CAGCTCTAGTGTGAGCTCTGAGGACTCTGAGGAAATATGGATT	3392
Qy	3795	CACATGTTCTATACCTGGGTTGACCTGGGAGGAGACAGAT	3854
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QY 3855 TTTCACATAATATGGACCTAGCTGAGCCATTAACTCCCTGCACTAGGGAGGT 3914
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 Db 3513 TTTCACATAATATGGACCTAGCTGAGCCATTAACTCCCTGCACTAGGGAGGT 3572
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 Db 3573 ATAATAAAGGTGAGTTTCCACAAAAAAA 3611
 RESULT 5
 US-08-445-461-3
 Sequence 3, Application US/08445461
 Patent No. 6096527
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/445,461
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/10558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854C3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-8896
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3637 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-445-461-3

Query Match 87.1%; Score 3151; DB 3; Length 3637;
 Best Local Similarity 97.0%; Pred No 0; Mismatches 0; Mismatches 0; Indels 105; Gaps 3;

QY 256 GTTGGACTTGAAAGAATGCCAACAGAGATCTGGCCCCACCCCTAGGCCAGGGATCG 315
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 Db 17 GTTGGACTTGAAAGAATGCCAACAGATGCTGCCACCCCTAGGCCAGGGATCG 76
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 QY 316 GACCTATGGACCAAGAGCCCTGTCATTTAGTGCTGCTCTGGAAAGTGG 375
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 Db 77 GACCTATGGACCAAGAGCCCTGTCATTTAGTGCTGCTCTGGAAAGTGG 136
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QY 376 ATGCAGACATGAGGGACATTGATCCTGCGCAAGTGCCTGCGATGCGCTGAGG 435
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 Db 137 ATGCAGACATGAGGGACATTGATCCTGCGCAAGTGCCTGCGATGCGCTGAGG 196
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 QY 436 ACCGGACCATCCAGAGCATACATCTCTTCCAGCTCTGGCAGATTCAGTCG 495
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 Db 197 ACCGGACCATCCAGAGCATACATCTCTGCTCAGCTGAGATTCACCTGCG 256
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 QY 496 CCCGCACACAGTTGGAGAGCACTGAGCGAGTGAAGGGATGGGCTGGGCCAGGTGG 555
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 Db 257 CCCGCACACAGTTGGAGAGCACTGAGCGAGTGAAGGGATGGGCTGGGCCAGGTGG 316
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 QY 556 TGTTTCCCAGGAGGGAGTACTCCAGGGATGCGGGATCTGGGGTCAGGGCTGCTC 615
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 Db 317 TGTTTCCCAGGAGGGAGTACTCCAGGGATGCGGGATCTGGGGTCAGGGCTGCTC 376
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 QY .616 TGGTGGCACCCAGGAGGATGCGGGCATGGGGGAGCTGGCAAGGAGTTCTCCGGACT 675
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 Db 377 TGGTGGCACCCAGGAGGATGCGGGCATGGGGGAGCTGGCAAGGAGTTCTCCGGACT 436
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 QY 676 GGCTCGTACTCCGGGATGCGGGCATGGGGGAGCTGGCAAGGAGTTCTCCGGACT 735
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 Db 437 GGCTCGTACTCCGGGATGCGGGCATGGGGGAGCTGGCAAGGAGCTGGGGTCAGG 496
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 QY 736 AGGTATCAGGGCATGGGAGTGCCTGGGAGCTGGCTGAAGGACTTGGCCCCCA 795
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 Db 497 AGGTATCAGGGCATGGGAGTGCCTGGGAGCTGGCTGAAGGACTTGGCCCCCA 556
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 QY 796 TGGTGGCCACTGGTCTCTACCCGGGTGACCGGGTCTGAGGGCTTGGGGCT 855
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 Db 557 TGTTGCCGACTGTTCTACCCGGGTGACCGGGTCTGAGGGCTTGGGGCT 616
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 QY 856 GGGTAGAGCTATGCTGCTCTGAGGATGGACTCTCTGCTACACGGCCCTG 915
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 Db 617 GGGTAGAGCTATGGCTGCCCTGGAGGGATGGACTCTGCTACACGGCCCTG 676
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 QY 916 GGCAGACAATGTTATGAGGCGCTGACCTGACACTCCACCTTGACGCCATA 975
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 Db 677 GGCAGACAATGTTATGAGGCGCTGACCTGACACTCCACCTTGACGCCATA 736
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 QY 976 CGTGGGGGACTGCACTGGGGCTCTGGCCAGCTGGCAGATGGTGGGGCTG 1035
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 Db 737 CGTGGGGGACTGCACTGGGGCTCTGGCCAGCTGGCAGATGGTGGGGCTG 795
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 QY 1036 ATGACTTGGAGAGTCGGAGCTGGGGCTCTGGCCAGCTGGCAGATGGTGGGGCTG 1095
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 Db 797 ATGACTTGGAGAGTCGGAGCTGGGGCTCTGGCCAGCTGGCAGATGGTGGGGCTG 856
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 QY 1096 GCAACCACGCTTCAGTCAGTGAGGAGTGGAGTTGGCTGGGGCTGGGGCTGGGG 1155
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 Db 857 GCAACCACGCTTCAGTCAGTGAGGAGTGGAGTTGGCTGGGGCTGGGGCTGGGG 916
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 QY 1155 CCTTCAGACGCTATGCAAGGCACTGTAACACATGCCACAGCTGGGAGGCCATC 1215
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 Db 917 CCTTCAGACGCTATGCAAGGCACTGTAACACATGCCACAGCTGGGAGGCCATC 976
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 QY 1216 GCGGGGTGAATGTCGGCTGGGGCTGCAATGGGGCTGGGGCTGGGGAGGCCATC 1275
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 Db 977 GCGGGGTGAATGTCGGCTGGGGCTGCAATGGGGCTGGGGAGGCCATC 1036
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 QY 1276 GCCAACACTAGGGCAACCTGGGGACCCAGGCCAGGGGGCTGCAAGTGCCTG 1335
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 Db 1037 GCCAACACTAGGGGGCAACCTGGGGACCCAGGCCAGGGGGCTGCAAGTGCCTG 1096
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 QY 1336 GCGCCCGTGGCTGGCGCACTGGGGACCCAGGCCAGGGGGCTGCAAGTGCCTG 1395
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 Db 1097 GCGCCCGTGGCTGGCGCACTGGGGACCCAGGCCAGGGGGCTGCAAGTGCCTG 1156
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 QY 1396 TCACGAAACTCTCTCATCTCTGATGTTGAGCAATTCTCTGGGGACTGGAGGCA 1455
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 Db 1157 TCACGAAACTCTCTCATCTCTGATGTTGAGCAATTCTCTGGGGACTGGAGGCA 1216
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 QY 1456 CCTTCGGCCAGCCCCCTGGGGCCCTGGCCACCTCCACCAACTTCAGGAGCTGG 1515
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US-08-445-640-7

RESULT 6

Sequence 7, Application US/08445640

Patent No. 5709858

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.

APPLICANT: Sadden, David T.

APPLICANT: Baker, Kevin P.

APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

Country: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/445,640

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Hask, Janet E.

REGISTRATION NUMBER: 28, 616

REFERENCE/DOCKET NUMBER: 854C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 1197 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

Query Match 30.1%; Score 1192.2; DB 1; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1; Je-272; Mismatches 0; Gaps 3; Indels 1;

Matches 1194; Conservative 0; MisMatches 0; Gaps 0;

QY 3675 CAGTCCTGTAAGTCAACTCTAAGCTTCTCGTGGACTAAATGGAT 3734
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Db 3333 CAGTCCTGTAAGTCAACTCTAAGCTTCAACGGCTATGGGTTGGCAT 3392
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QY 3735 GGGGGAAAGGGGAAACGCCCATAGCCCTGGGTGGGACATCTCTAGTGTAGTC 3794
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Db 3393 GGGGGAAAGGGGAAACGCCCATAGCCCTGGGTGGGACATCTCTAGTGTAGTC 3452
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QY 3795 CACATGATTTCTATAATCACTACTGGGTGTACATTGGGGAGACACAGAT 3854
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Db 3453 CACATGATTTCTATAATCACTACTGGGTGTACATTGGGGAGACACAGAT 3512
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QY 3855 TTTCACATATATGACCTAGCTGAGCAATTAACTCCCTGCATAGGAGCTA 3914
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Db 3513 TTTCACATATATGACCTAGCTGAGCAATTAACTCCCTGCATAGGAGCTA 3572
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QY 3915 ATATAAAGGTGAGTTCCACAAAAAAAGAAAAA 3953
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Db 3573 ATATAAAGGTGAGTTCCACAAAAAAAGAAAAA 3611
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QY 3735 GATGGTACATGAGGACATTTCATCCGGCAAGTGCCGCTATGCCCTGGGATGCAG 434
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Db 1 GATGGTACATGAGGACATTTCATCCGGCAAGTGCCGCTATGCCCTGGGATGCAG 60
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QY 435 GACCGGACCACTCCAGACAGTGACATCTCTGCTCTCAAGCTCTGAGATTCAGTC 494
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Db 61 GACCGGACCACTCCAGACAGTGACATCTCTGCTCTGAGATTCAGTC 120
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QY 495 GCCCCCACGAGCAGTTGGAGGACATTTCATCCGGCAAGTGCCGCTATGCCCTGGGATGCAG 554
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Db 121 GCCCCCACGAGCAGTTGGAGGACATTTCATCCGGCAAGTGCCGCTATGCCCTGGGATGCAG 180
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QY 555 GTGTTTCCAGGAGGAGGAGGAGTACTTGAGCTGAGTGGACTACACAGACTGACACTGGRGCT 614
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Db 181 GTGTTTCCAGGAGGAGGAGTACTTGAGCTGAGTGGACTACACAGACTGACACTGGRGCT 240
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QY 615 CTGGTGGACCCAGGGACGCCATCGGGGGCTACCCGGCTGAGGAAGGACTTGGGGCT 674
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QY 675 CGGCCTCGTAACTCCGGATGGTGGCGCTGATGGGCTGAAAGAACCCSTGGGTCA 734
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Db 301 CGGCCTCGTAACTCCGGATGGTGGCGCTGATGGGCTGAAAGAACCCSTGGGTCA 360
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QY 735 GAGGTGATCTCAGGCAATGAGGACTCTGAGGGACCTGAGGGAGGACTTGGGGCT 794
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Db 361 GAGGTGATCTCAGGCAATGAGGACTCTGAGGGACCTGAGGGAGGACTTGGGGCT 420
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QY 795 ATGGTGTCCGACGTGTTGCTGCTACCCGGCTGAGGGAGGTTGGCTGAAAGACCTTGGGGCT 854
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Db 421 ATGGTGTCCGACGTGTTGCTCACCCTGGCTGAGGGAGGACTTGGGGCT 480
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QY 855 CGGGTAGASCTCTATGGCTCTGGAGGATGACTCTGCTACCGCCCTGTG 914
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Db 481 CGGGTAGAGCTCTATGGCTCTGGAGGATGACTCTGCTACCGCCCTGTG 540
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QY 915 GGGAGACATGTATTATGAGGACCTCAACGACTTCAACTGTAGGGACAT 974
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Db 541 GGGGAGACAATGTATTATGAGGACCTCAACGACTTCAACTGTAGGGACAT 600
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QY 975 ACCGGGGGACACTCAGTATGGGGCTCTGGCCGCTACGGAGATGGTGGGGCT 1034
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Db 601 ACCGGGGGACACTCAGTATGGGGCTCTGGCCGCTACGGAGATGGTGGGGCT 660
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QY 1035 GATGCTTGGAGAGTCAGGAGCTGGGGCTCTGGCCGCTACGGAGATGGTGGGGCT 1094
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Db 661 GATGCTTGGAGAGTCAGGAGCTGGGGCTCTGGCCGCTACGGAGATGGTGGGGCT 720
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QY 1095 AGCACACAGCTTCTCACTGGCTATGGAGATGGACTTGGAGCTGGGGCT 1154
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Db 721 AGCACACAGCTTCTCACTGGCTATGGAGATGGACTTGGAGCTGGGGCT 780
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QY 1155 GCCTTCAGGCTATGGCTACGTTGAGATGGACTTGGAGCTGGGGCT 1214
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Db 781 GCCTTCAGGCTATGGCTACGTTGAGATGGACTTGGAGCTGGGGCT 840
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QY 1215 GGCGGGTGGATGTGGCTTCGGGGCTGGCCATGGCTGGAGGGAGCCATG 1274
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Db 841 GCGGGGTGGATGTGGCTTCGGGGCTGGCCATGGCTGGAGGGGGAGCCATG 900
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QY 1275 CGCCACAACTTAGGGGCACTGGGGACCCAAAGCGGGGCTCTGGGGCT 1334
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Db 901 CGCCACAACTTAGGGGCACTGGGGACCCAAAGCGGGGCTCTGGGGCT 960
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QY 1335 GCGGGCGCTGGCTGGCTTCAGTGGAGCTGGGGCTCTGGGGCT 1394
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Db 961 GCGGGCGCTGGCTGGCTTCAGTGGAGCTGGGGCTCTGGGGCT 1020
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RESULT 7
US-08-170-558-7
; Sequence 7, Application US/08170558
; Patent No.: 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,615
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1996
TELEFAX: 415/952-9881
TELEX: 910371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272; Mismatches 1194; Conservative 0; Indels 0; Gaps 0;

QY 1455 ACTTCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1080
Db 1081 ACTTCCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 11514
QY 1515 GAGCTGAGCCAGAGCCAGGGCAGAGCCAGGGGAGGGAGGCC 1571
Db 1141 GAGCTGAGCCAGAGCCAGGGCAGAGCCAGGGGAGGGAGGCC 1197

QY 1021 TTCAGCGAAATCCTCTCATCTGTGAGCTGGGAACATTCCTCTGGGACTGGGG 1080
QY 1455 ACTTCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1080
Db 1081 ACTTCCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1140
QY 435 GACGGGACATCCAGAGCTGAGCATCTGTGAGCTGGCCATG 60
QY 611 GAGCTGAGCCAGAGCCAGGGCAGAGCCAGGGGAGGGAGGCC 1571
Db 611 GACGGGACATCCAGAGCTGAGCATCTGTGAGCTGGCCATG 120
QY 495 GCCGCCACAGCAGGTTGGAGACCACTGGGGATGGGGCTGGCCAGGGTCG 554

Db 121 GCGGCCACAGCAGGTTGGAGACAGTGCGGAGATGGGGCTGGTGCCTCCAGGCTCG 180
QY 555 GAGTTCCAAGAGGGAGACTCTCTCAGGGATTAACAGACTCCACCTGGGCT 614
Db 181 GTGTTCCAGGGAGAGTACTTGAGGATCACACAGACTGCACCTGGGGCT 240
QY 615 CTGGGCCACCCAGGGAGGTGCCAGGGAGGTGCCAGGGAGTCCCGAGGCT 674
Db 211 CAGTGGACACCAGGGAGGATGCCAGGGAGGTGCCAGGGAGTCCCGAGGCT 300
QY 675 CGCTGCCTACTCCGGATGTCGGCTGATGGCTGAGGACCGCNGGGCTCG 734
Db 311 CGCTGCCTACTCCGGATGTCGGCTGAGGACCGCNGGGCTCG 360
QY 735 GAGGTGACTCAGGCAAATGAGAACCCGGAGGAGTGTGCTGAAGGACTCTGGGCCC 794
Db 361 GAGGTGACTCAGGCAAATGAGAACCCGGAGGAGTGTGCTGAAGGACTCTGGGCCC 420
QY 795 AAGGTTGCCAGCTGGTCCTACCCCCGGCTAACGGGTATGGAGCTCTGCTCG 854
Db 481 CGGTAGAGCTATGGCTCTGGCTCTGGAGGATGGACTCTACACGGCCCTGTG 540
QY 915 GGCAGACATAATTATCTGGGGCTGTCTACCCGGGTCAACGACTCCACCTAAGCGACAT 974
Db 541 GGCAGACATAATTATCTGGGGCTGTCTACCCGGGTCAACGACTCCACCTAAGCGACAT 600
QY 975 ACGGTAGAGCTATGGCTCTGGGGCTGACCTGGAGTGTGTGGGGCTG 914
Db 601 ACCTGGGGACTGCACTGGGGCTGTGGGGCTGACCTGGAGTGTGTGGGGCTG 660
QY 1035 GATGACTTGGAGACTGAGCTGAGTGTGGGGCTGTGGGGCTGACCTGGAGTGTGTGGGGCTG 1094
Db 661 GATGACTTGGAGACTGAGTGTGGGGCTGTGGGGCTGACCTGGAGTGTGTGGGGCTG 720
QY 1095 AGCAACCAAGGCTTCHCCAGGGCTGTGGAGATGAGTTGAGTTGAGCTGGGGCTGAGG 1154
Db 721 AGCAACCAAGGCTTCHCCAGGGCTGTGGAGATGAGTTGAGCTGGGGCTGAGG 780
QY 1115 GCCTCCAGGTATGGAGTGTGGGGCTGTGGGGCTGACCTGGGGCTGAGG 1214
Db 781 GCCTCCAGGTATGGAGTGTGGGGCTGTGGGGCTGACCTGGGGCTGAGG 840
QY 1215 GCGGGGCTGGATGTCGGCTGGCCCTGGGGCTGACCTGGGGCTGAGG 1274
Db 841 GCGGGGCTGGATGTCGGCTGGGGCTGACCTGGGGCTGAGG 900
QY 1275 CGCCACACCTAGGGGCAACCTGGGGCCAGGGGGCTGAGG 1334
Db 901 CGCCACACCTAGGGGCAACCTGGGGCCAGGGGGCTGAGG 960
QY 1335 GGAGCCGCTGGGGCAACCTGGGGCTGAGG 1394
Db 961 GGCGGCGTGGGGCTGAGG 1020
QY 1395 TTCAAGAAATCTCTCTCATGAGGGTGAACAAATCTCTGGGACTGGGG 1454
Db 1021 TTCAAGAAATCTCTCTCATGAGGGTGAACAAATCTCTGGGACTGGGG 1080
QY 1455 ACCTTCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1514
Db 1081 ACCTTCGGCCAGCCCCCTGGGGCCACTTCCACCAACTTCAGCAGCTG 1140
QY 1515 GAGCTGAGCCAGAGCCAGGGGAGGGAGGCC 1571
Db 1141 GAGCTGAGCCAGAGCCAGGGGAGGGAGGCC 1197

RESULT 8

US-08-447-314-7 Application US/08447314
Sequence 7, Application US/08447314
Patent No. 6087144

GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.

TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447, 314
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 9103717168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDIDNESS: Single
TOPOLOGY: linear
US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1..3e-277;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 375 GATGCTGACATGAGGGACATTGTGATCCTGCCTGGCCAGTGCCGCTATGCCCTGGCATCGAG 434
Db 1 GACCTGACATGAGGGACATTGTGATCCTGCCTGGCATCGAG 60

Qy 435 GACGGGACCATCCAGAGGAGGACTTCTCAGGAGGATCTACAGACTCCACCTGGTGGCT 494
Db 61 GACGGGACCATCCAGAGGAGGACTTCTCAGGAGGATCTACAGACTCCACCTGGTGGCT 120

Qy 495 GCGCCGCAAGCAGGTTGGAGAGCAGTGACGGGAGGGCTGGTGGCCGGAGGGTCG 554
Db 121 GCGGCCAACAGCAGGGTGGAGAGCAGTGACGGGAGGGCTGGTGGCCGGAGGGTCG 180

Qy 555 GCTGTTCGCAAGAGGAGGAGTCTTCAGGAGGATCTACAGACTCCACCTGGTGGCT 614
Db 181 GCTTTCGCAAGAGGAGGAGTCTTCAGGAGGATCTACAGACTCCACCTGGTGGCT 240

Qy 615 CTGGTGSACCCAGGGAGGCTGGGGGGGCTGGCAAGGAGTCTCCGGAGCTAC 674
Db 241 CTGGTGGGACCCAGGGAGGAGGCTGGGGGGCTGGCAAGGAGTCTCCGGAGCTAC 300

Qy 675 CGCGTGCCTTACCCGGATGCGCTGGATGGCTGGAGGACGGCTGGCTAG 734

RESULT 9
US-08-447-461-7

; Sequence 7, Application US/08445461
; Patent No. 609527

; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.

; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:

Db 301 CGGTGCGTACTCCGGGATGGTGGCCCTGGATGGGGCTGGAGGACGGCTGGGTAG 360
Qy 735 GAGGTGATTCAGGCAATGGAGGACCTGGGCTCTGGGAGCTGGCTGAAGGACCTGGGGCCCC 794
Db 361 GAGGTGATTCAGGCAATGGAGGACCTGGGCTCTGGGAGCTGGCTGAAGGACCTGGGGCCCC 420
Qy 795 ATGGTGCCGACTGGTGGCTCTACCCGGGCTGACGGGCTATGGGAGCTGGCTCTGGGGCTGG 854
Db 421 ATGGTGCCGACGGTGGCTCTACCCGGGCTGACGGGCTATGGGAGCTGGCTCTGGGGCTGG 480
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Qy 915 GGGAGACATGTTTATCTGGCGGTACCTCAAGGACTCACCTATGAGGGACT 974
Db 541 GGGAGACATGTTTATCTGGCGGTACCTCAAGGACTCACCTATGAGGGACT 600
Qy 975 ACCGGGGGACTGCACTGGTGGGGCTGGGGCTGGGAGCTGGCAGATGGTGGGGCTGG 1034
Db 601 ACCTGGGGACTGCACTGGTGGGGCTGGGAGCTGGCAGATGGTGGGGCTGG 660
Qy 1035 GATGACTTAAAGAGTCAAGGACTCTGGGGCTGCTGGCTGGGAGGGCTATGACTATGGGA 1094
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Qy 1095 AGCACACAGCTCTCGTGGCTATGGGAGATGGAGTTGATGGCTGGGGCTGAGG 1154
Db 721 AGCACACAGCTCTCGTGGCTGGGGCTGCTGGCTGGGGCTGAGG 780
Qy 1155 GCCTCCAGCTATGCAGGCCACTGTAACAATGCAAGCCTGGGAGGCCCTGGCT 1214
Db 781 GCCATCCAGCTATGCAGGCCACTGTAACAATGCAAGCCTGGGAGGCCCTGGCT 840
Qy 1215 GGCGGGTGGATOTCGCTTCCCGCGTGGCCCTGGCCATGCAACGCTGGGAGGCCCTGGCT 1274
Db 841 GGGGGGGGAGCTCGCTTCCCGCGTGGCCCTGGCCATGCAACGCTGGGAGGCCCTGGCT 900
Qy 1275 CGCCACAACTAAGGGGACCTGGGGAGCCCGAGGCCGGCTGCTGAGGGGGCCCT 1334
Db 901 CGCCACAACTAAGGGGACCTGGGGAGCCCGAGGCCGGCTGCTGAGGGGGCCCT 960
Qy 1335 GGGGCCGCGTGCCTGCTTCAGTCGGCTTCCGCTTCCGGCCCTGGTACTC 1394
Db 961 GGGGCCGCGTGCCTGCTTCAGTCGGCTTCCGCTTCCGGCCCTGGTACTC 1020
Qy 1395 TTAGCGAAATCTCTCACTCTGATGTTGGTGAACAATTCCCTCTCCGACCTGGAGGC 1454
Db 1021 TTAGCGAAATCTCTCACTCTGATGTTGGTGAACAATTCCCTCTCCGACCTGGAGGC 1080
Qy 1455 ACCCTCCGGCCAGCCCGCTGGGGCCACCTCCACCAACTTCAGCAGCTGG 1514
Db 1081 ACCTTCGGCCAGCCCGCTGGGGCCACCTCCACCAACTTCAGCAGCTGG 1140
Qy 1515 GACCTGGAGCCAGAGGCCAGGCCGGCTGGCCAGGGGGAGGCCAGGCC 1571
Db 1141 GACCTGGAGCCAGAGGCCAGGCCGGCTGGCCAGGGGGAGGCCAGGCC 1197

oppy disk

192. 2; DB 3; Length 1197;
o. 1.3e-272;
atches 3; Indels 0; Gaps
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CCAGTGCCTATGCCATCG 60
CTTCACGCTCGTCAAGATTCACGTGCC 4941
CTTCACGCTCGTCAAGATTCACGTGCC 1200
GGGATGGGCCTGTGCCCGAGGTG 554
GGGATGGGCCTGTGCCCGAGGTG 1800
TGATCACAAAGACTCACCCTGGTCT 614
CTTCACGCTCGTCAAGATTCACGTGCC 2400
TGATCTCACAGACTCACCCTGGTCT 674
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GGCTGGCAASAGTCTCCGGAGGTAC 3000
GGATGGCTGAGGACCGCTGGGTCA 734
GGATGGCTGAGGACCGCTGGGTCA 3600
GGCTGAGGACCGCTGGGTCA 794
GGCTGAGGACCGCTGGGTCA 4800

Page 17

Db 1985 CAGTGCCGCCGTCACCATGGACCTGCTCTCAGGAAGATGTGGCTGTGGAGAGTCC 2044
 QY 2137 CTGATCTCGACTCCGCTCAAGGAGAAGCTGCGACGGCAGTTGGAGGTGC 2196
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penile & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,343A
 FILING DATE: 08-NOV-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Cruz, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-065
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 730-9090
 TELEFAX: (212) 869-9741/8864
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3157 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI SENSE: NO
 US-08-336-343A-5

APPLICANT: Ulrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCR-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQIDNOS: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 115 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-A08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7083-065

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-0900
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 3157 base pairs
TYPE: nucleic acid

STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA

HYPOTHETICAL: NO
ANTI SENSE: NO

Db	2540	TCAAGATAGCTGACTTGTGAGTGAACGTGTAGCTGGTGACATTACCGAAC	2599
QY	2737	AGGCCGGCAGTCCTCCCATCGCTGGATGCGCTGGAGGTCATCTCATGGGAAGT	2796
Db	2600	AGGGCGGGCAGTGCCTATCCGCGGAGATCTGGAGAGATCTGGCAGT	2659
QY	2779	TACAGACTGCGAGTGAGCTGGCTGGTGACCTGAGGGGGGGGGGGGGGG	2856
Db	2660	TCACTACAGCAGTGTGTTGGCTTATTTGGAGAGCTTCACCTTT	2719
QY	2857	GTAGGGCCGACGCCCTTGGAGCTCACCGAGCAGGTCATCGAGACGGGGGT	2916
Db	2720	GTCAGAACAGCCCTATCCAGCTGTAGATGACAGTTATGGAGATACTGGAGT	2779
QY	2917	TCTTCGGGACAGGCCGGAGGTGTACCTGTCCCAGCCGCTGCTGCCGAGGGCC	2976
Db	2780	TCTTCGGAGACCAAGGGCAGACTTACCCCTAACAGCATTTGTCGTGACTTG	2839
QY	2977	TATATGAGCTGATGCTGGTGTGGAGGCCGGAGTGCTGAGCAGCAGCACCTTCCCC	3036
Db	2840	TGTATAAAGCTGATGCTGAGCTGCTGGAGAAGAGATAAGAAAGACCGTCCATTCAAAG	2899
QY	3037	AGCTGCATCGTGTCT 3052	
Db	2900	AAATCCACCTCTGT 2915	

Db	2343	ACATTTCTTAAGGACTTGGASCGCCATTGTAGCCAGATTGTCGGGTCATTCAG	2284
Qy	826	GGGTGACGGGGTCACTGAGTCGTCCTCGGGTAGAGGCTATGGCTCCTCTGGAGSG	885
Db	2283	TCAACGACACTCATGAGTGTAGAGGAGTTAGGGCTGTCAG	2224
Qy	886	ATGAACTCTGTCTACAGACGCCCTGGGGCAGACATGTATTATGTAGG-----	939
Db	2223	ATGGCTTGTTCTACATGTCAGCTGGAGCTTGAGGAGTTAGGGCTGTCAG	2164
Qy	940	CGGTGACTTCAAGACACCACCTATGGGACATACCTGGGGACTCAGATGGG	999
Db	2163	TCAATTATCTGTAGATGATGTGTCTATGAGGAGTACAGTACAGAAGAGG	2103
Qy	1000	GTCGGCCAGCTGGCAGGGTGGGGCTGGATACCTTAAAGAGTGGAGGAC	1059
Qy	2104	--CTAGGCAATTGACCGTGGGCTGGCCCTGGACGATTCACCAAGACCATGAT	2047
Qy	1060	TGGGGTGTGGCCAGGGTATGACTATGGGAGGGAGCACACAGCTCTCCAGNTG	1119
Db	2046	ACACGTTGGCCGGTATGACTATGGCTGGAGGAGCTGGGAGGAGTCC	1987
Qy	1120	ATCTGGAGATGGGTTGGTGGACCCGCTGAGGCTTCCAGCTATGAGGTC	1179
Qy	1866	ACATGAGATGATGATGATGACCGATCAGAACCTAACAGAAGTGGCTCAG	1927
Db	1886	ATCTGGAGATGGGTTGGTGGACCCGCTGAGGCTTCCAGCTATGAGGTC	1179
Qy	1180	GTACACAGTGACACGCTGGGAGGGAGGAGCACACACTAGGGAACCTG	1239
Db	1926	GCACACAGTGTGCTAAAGGGTGAAGACCTTAAGGGTACAGTCCTCCG	1867
Qy	1240	GTCGGCCCTGGCAGGGAGGGAGGAGCACACACTAGGGAACCTG	1399
Db	1866	CTG--AACCGTGTGGAACTANTGCCATTCTCCCTGRCCTGGATGACG	1810
Qy	1300	GGGACCCAGAGCCGGCTGTCAGTGGCCCTGGGCGCTGCTCGTTC	1359
Db	1809	TCAACCCAGTGTGGGTTGTCAGGAACTCTCCACACCGATGGCAGTC	1750
Qy	1360	AGTGGCGCTCTTGGGGCCCTGGTTACTCTGGCAAATCTCTTATCTG	1419
Db	1749	ASTGTCATAACCATTTGGAGAACCTGGATGTGTCAGTGAATCCTCA	1650
Qy	1420	ATGGGTCACACATTCCCTGGGACACTGGGAGCACCTTCCCAGGCC	1479
Db	1689	ATGCTGCAATGACAACTCTGAAGCCCTGGCCACCTCTCTA-----	1643
Qy	1480	CGCTGCCACCTCCACCAACTTCACAGCTGGAGCTGGAGGCCAGGGC	1539
Db	1644	-----TGGACCCACAACTATGTCAG	1624
Qy	1540	CGTGGCCAAGGCCAGGGAGGCCATCTCAACGGGTGCTGGGCCATCA	1599
Db	1623	CAATGCTTAAGTGTGAGACAGCACACTGGATCTGGTCTGATGCTGGCCATCA	1564
Qy	1600	TCTCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1659
Db	1563	TCTTATCCCCGGCCATCATGTCATCTGGAGGAGTTCTGGCCATCA	1504
Qy	1660	TCAACGAGGTGTACGGAGGGTTGGAGAGCTGGCTACCTCTGGCTC	1719
Db	1503	TGGAGAAGCTCTGGGGATCTGGATGAATGACAGTCAGCTTC	1444
Qy	1720	GSGACACTTCTCATCACACGCCAGGCTCTAGAGAGCCACCCGGTAC	1779
Db	1443	GTGATCTGAGCTGTGACAACT-----AACCGCTCT-----	1411
Qy	1780	CGGGCTGTGGGAATGCGCCACCTGGCTCCCTGTCCTGGAGGAG	1839
Db	1410	CATCACCTGTGACACGGTCAACTCGACTACGATGTCATCTT-----	1362
Qy	1840	TCTCTCTCATCAGCTTACGCCGCTCCCTGCCCCGCCCCGAGGCC	1899
Qy	1900	CGGGCCCCACACCCGCTGGCCAAACCCACACACCCAGGCCATACGGGACT	1959
Db	1353	CTGACTACAGGAGGATCCAGGTGATGAGAACTCCAGAATTCCTCAGGGAGG	1294
Qy	1960	ATATGGGCTCTGAGAACCCAGGGCCCTTGCCCCACCTCCAGAACAGGCC	2019
Db	1293	AGGATCTGGCTCAGGGTGTGAAAGCCAGTCAGGCCATGGCCCTGAGGGAGG	1234
Qy	2020	CCCATATGCCAGGCTCACATGTGTTACCTCTGGGGCTCACGGGGCAACACTATG	2079
Db	1233	CCCATATGAGGCTCACATGTGCTCTGGCCCTGGACGATAGTGAACGGGCAACATACT	1174
Qy	2080	CTGTGCGTGCACINGCCCGAGGGAGC---GGGATGGGCCCCAGAGTGGATTCC	2136
Db	1173	CAGTGCCTGCCCTCACCATGGACCTGCTCTCAGGAAAGATGTTGCTGAGGATTC	1114
Qy	2137	CTRGATCTGACTCCTGAGGAGCTGGGAGGCTGGGGAGGCCAGTTGGGAGGTG	2196
Db	1113	CCAGAAACTCTACTTTCAAAAGAGAGCTGGAGAAGGACAGTGGGAGGTTC	1054
Qy	2197	TGTGAGGTGACAGCCCTCAAGATCTGCTGCTGCTGCTGATGTCCTGATGTCCTG	2256
Db	1053	TCTGTGAGTGGAGGATGAAAGTCAAGAACAGAAGATTGTCCTAGTGCTCAG	994
Qy	2257	AGGACACCTTGTGGTAGCTGTCAGATCTACGCCAGATGTCGACAGTTC	2316
Db	993	CCACACGGCTCTCCTGGGGTGTGAAAATGTCGGCAGTGCACAGATG---	935
Qy	2317	GCTTCTCTGTCTCAGGATGTATTCTCTAAGAGGATAAGATGTCAGTCAG	2376
Db	936	-----CAGGAAATGATTCTTAAGGGATAAAGATCAGTCAGTCAGGCTCA	892
Qy	2377	AGGACCCAACTCATGGCTGGCTGGGTTGGTGGAGGAGCCCTCTGCATC	2436
Db	891	AGGACCCAAACTATGTCATCATCTATGTCATGTCATGTCATGTCATGTC	832
Qy	2437	TACTGACTATGGAGACGGGACCTCAACGGTCTACTGCTGACCTGGAGG	2496
Db	831	TCACTGATACATGAGAACATGAGATCTCACTGATGTCCTTCCGCCACGCCCTA	772
Qy	2497	ACAAGGCGAGGGGGCCCTGGGACGGGGAGGGTGGCAGGGCCACCATC	2556
Db	771	ATTCCTCTGGAGG-----ATGTAAGCTGTCAGTGTGCTCTGTTGATG	739
Qy	2557	ACCAAATGTCGTGAGCCAGATGCTCGGATGCGCTGGGATCTGGCAC	2616
Db	738	ACACCAATCTGGAGTGTGGTACCAATGCGCTGGGATCTGGCAC	679
Qy	2617	TCAACTTGTACATGGGACCTGGCTACGGGAACTGCTAGTGGGAAATTCA	2676
Db	678	TTAATTTGTTGTCACCGAGATGGGGCACGAGAACCTGTTGGTAAAGTACACAA	619
Qy	2677	TCAAATGCGAGACTTGGCAGATGGAGGAGCTTCTGCTGGGAGTATTACGGTGTG	2736
Db	618	TCAGATAGCTGACTTGGAGGAGCTGTCAGTGTGAGCTTCTGCTGGGAGT	559
Qy	2737	AGGGGGGGAGTGGCTGCCATCCGCTGGATGCGCTGGAGGCTCATCTCAGGGGA	2796
Db	558	AGGGGGGGAGTGGCTGCCATCCGCTGGATGCGCTGGAGGCTCATCTCAGGGGA	499
Qy	2797	TCACGACTGGAGTGTGGCTGGGGCTTGGTGAACCTCTGGGGCTGATGTC	2856
Db	498	TCACTACAGCAAGTGTGCTGGGGCTTGGGTACTTGTGGAGACTTCACCTT	439
Qy	2857	GTAGGGCCACGCCCTTGGGAGCTACCGACGAGGTGATGAGAACGGGAGT	2916
Db	438	GTCAGAACAGCCATTCCCAGCTGTCAGATGAGACAGGTTATGAGATACTGAGAGT	379
Qy	2917	TCTCTGGGACAGGCCGGGGAGGAGCTACCCGCTGCTGGCTGAGGCC	2976
Db	378	TCTCTGGGACAGGCCGGGGAGGAGCTACCCGCTGCTGGCTGAGGCC	319

QY 2977 TATATGAGCTGATGCTTCGGGGCTGGAGGAGCTGCTGAGCGACACCCCTTTRCCC 3036
Db 3118 TGTATPAGCTGATGCTCAGCTGCTGGAGAAGAGATAAGAACGACCGTCATTCAG 259
QY 3037 AGCTGCATCGTTCT 3052
Db 258 AAATGCCACCTCTGCT 243

RESULT 12
US-08-456-647B-19
; Sequence 19, Application US/08456647B
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE: PROTEIN-TYROSINE KINASE GENES
PATENT NO. 581516
NUMBER OF SEQUENCES: 54
SEQUENCE CORRESPONDENCE:
ADRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 19:
MOLECULE TYPE: DNA
IMMEDIATE SOURCE:
CLONE: Tyc-10
FEATURE:
NAME/KEY: CDS
LOCATION: 485..3047
US-08-456-647B-19

Query Match 16.1%; Score 639.8; DB 1; Length 3120;
Best Local Similarity 56.5%; Pred. No. 6.9e-142; Matches 1552; Conservative 0; Mismatches 987; Indels 210; Gaps 11;

QY 468 TCCAGCTCTGGTGATGATCCACCGCCGGGACAGAGGTTGGAGGAGCTGACGGG 527
Db 629 TCAAGTCAGTGTGAGAACTCACGGTCCAAATATGGAGGGTGGACTCTGAAGAAGGA 688
QY 528 GATGGGGCTGGTCCCCCAGGGTGGGTTTCCAAGGA---GGAGGAGTACTGAG 584
Db 689 GATGGACCTGGTCTCTGAGATTCAGTGCAACCGATGACCTGAAGGAATTCTGCK 748
QY 585 GTGCACTACAACGACTCCACCTGGTGGCTGGGGACCCGGAGGAGCGATGCCGG 644
Db 749 ATTACTCTGCAACCTACATCATCTACTCTTGGAACCGGGGGCGATCGAGGG 808
QY 645 GGCGGGGAGGGTCCGGAGCTACGGGAGTACCCGGATGCGGGATGCGCGG 704
Db 809 GGCATGGCATGATTCACCCATGACAGTAACACTACAGTCGGGATGGAGTGC 868
QY 705 TGGTGGCTGGAGGGACCTGGCTGGGTAGGAGGTGATCTCAGGCAATGAGGCG 764
Db 869 TGGTCTCTGGTCAACGGCAGGGAGCAGTGCTGATGGAAACGTAACCTT 928
QY 765 GGAGGGCTGAAGGACCTGGCTGGGGCCCATGGTGGCCGAGTGGTGCCTTACCC 824
Db 929 GATGTTATCTGAGGACTGGGACCTGGGACACCATGGTCGCGCAGATGTC 988
QY 825 CGGCTGACGGGCTAGTGTGCTGGGGTAGAGCTTATGGTGCCTCTGGGG 884
Db 989 GTCACTGACCACTCCATGACGTTGATGAGGGTGTGCTCTACCTT 1048
QY 885 GAGGAGCTCTGTTTACCCGACCTGGGGCTGGGGAGTGTGAGTATCTGAGG 939
Db 1049 GATGCTCTGGTACATGCTTACATGCTTACCTGGAGGAGCTGGTGTGCTCTGGGG 1108
QY 940 -CGTGTACCTGACGACTCCACCCATGAGGACATCCGAGCTGGGGACTGCGAGTGG 998
Db 1109 ATCATTATCTGATGATCTGCTTACATGAGGCTGTGGTACAGCATGACTGAGG 1168
QY 999 GGTTGGCCACCTGGCAGATGCTGGTGTGGCTGTTAGAAGAGTCAACCGGT 1058
Db 1169 --CTAGGGCAGTTGACTGTGATGGGATATCCGCGCTGGATTTACCCAGACCAGTA 1225
QY 1059 CTGGGGCTGCGCCAGCTATGACTATGCTGGGGTGGAGCACACAGCTCTCCAGTGG 1118
Db 1226 TACCACTGGCTTSGCTATGACTAGTGGATGGGGAGAAGTGTACCCACGGT 1285
QY 1119 TATGTTGAGATGGTTGAGTTGACGGCTGGGGCTTCAGGGTATGAGGTTGGC 1178
Db 1286 TTCACTGAGATCATGTTGAAATTGACCGAATCAGGAAATTACTACCATGAGGTC 1345
QY 1179 TGTACACACATGACACGGCTGGGGAGCCGGCTGCGCGGGGGTGGATGTGCTTCGG 1238
Db 1346 TGCACACATGTTGCTAAAGGTGAAAGTTTAAGGAGGTCCAGTGTACTTCG 1405
QY 1239 CGTGGCCCTGCATGGCTGGAGGGGGCCATGGCCACACCTAGGGCAACTCTG 1298
Db 1406 TCGG--AAGCAGCGAGTGGAAACCCACTGCTGTACTTCCCGGGGCTGTGAGGAT 1462
QY 1299 GGGGACCCAGGCCGGTGTCTCACTGGGAGCTGGGAGGACCTTCCACCGCAACTCTG 1358
Db 1463 GTGAACCCAGTGCCTGGTGTCACTGGCCCTCCACCAACCGAATGGCCAGTCC 1522
QY 1359 CAGTGGCGCTTCTCTCTGGGGCTGTGTTACTCTTCACCTCTCTCTCT 1418
Db 1523 AAGTCGCAATACCTTCAGGAGCTGCTGAGTTCACGGATCAATCA 1582
QY 1419 GATGTTGTAACATCTCTGGCTGAGCTGGGAGGACCTTCCCTCCACCTCTCT 1478
Db 1583 GATGTTGCAATGTTACAACTCTCTGGCTGAGCTGGGAGCTGGGAGCTGG 1628
QY 1479 CGCCCTGGCCACCTCCACCAACTCTCAGGAGCTGGGAGGAGCCAGCAG 1538
Db 1629 -----TGGCACCCACCACTATG 1648

QY 1539 CCGGTGCCAAGGGGAGCCGACGCCATCCTCATGGCTGGGCCATC 1598
Db 1649 CCATCTTAAAGTGATGATGATGAGCACTCGATGGGCCATC 1708
QY 1599 ATCTCTCTCTGCTGCTCATCATGCCTATGCTCTGGGGTCACTGGGGTC 1658
Db 1709 ATCTCTCATCTGCTGCTATCATGTCATCATCTGTC 1708
QY 1659 CTGAGCAAGGCTGAAGGGGGTTGGAGAGAGAGCTGACGAGTC 1718
Db 1769 CTAGAAAAGGCTCACGGAGGATGCTGGATGATGAAATGACAGTC 1828
QY 1719 GGGGACTACTTCATCACACAGCCAGGCTTAGAGAGGACCCGTCCAGAG 1778
Db 1829 AGCGAGTCCAGCATGTCATAACACCCGCTCTC 1882
QY 1779 CCCGGCTGGGAATGCCCACTCGCTCCCTGTC 1838
Db 1883 TCCAATCTCTATGATGAACTTCCTTGCCCTTGACTACAGGCACTCCAGA 1942
QY 1839 CTGCTCTCCAAATCCAGCCTAACCGCTCCCTGGCACHTACCGTGGAG 1998
Db 1943 CTGATC----- 1948
QY 1899 CGGCCCCCACACCCGCTGGCAAACCCACACCCAGGCTACAGGGAC 1958
Db 1949 -----CGAAGCTTCCAGAGTGTCTCCAGGAGAGGA 1983
QY 1959 TATATGGACGCTGAGAGCCAGGGCCCTCTGCCCAACCTCCCAGACGGTC 2018
Db 1984 GTCAAGGTGCACTGTCAGTGGTGTGAGCCSGCC----- 2038
QY 2019 CCCATTATGCCAGGCTGACATGTTACCTGGAGGGTCACGGGGCAACCTAT 2078
Db 2039 CCCACTATGCGAGGACATAGTGAATCTCCAGGGTGTGGCAACCTAC 2098
QY 2079 GCTGPGCTGCACTGGCCAG---GGCAGTCGGGAGGGCCCGAGGGATTC 2135
Db 2099 TTGTCGCTCTGTGATGCTGATGCTGCTGGCTGTGGAGAGTC 2158
QY 2136 CCTCGATCTGCACTCGCTCAAGAGAAGCTGGGAGGGCCAGTGGAC 2195
Db 2159 CCCAGGAACCTGTTAGGCTCAAGAGAAGCTGGAGAAGCCAGTTGGGT 2218
QY 2196 CTGTTGAGGCTGACAGCCCTCAAGATCTGGTAGTGTGATTCCTTAATGGGGT 2255
Db 2219 CTCTGGAAGGGAGGATGGAAAATCAAGACACAGATTTGCACTAGTCAGT 2278
QY 2256 AAGGACACCTTGCTSTAGTGTCAAGATCTACGCCAATGCCACAGAAGGCC 2315
Db 2279 GCAACCAGGCTGCTGGGGCGGTGAAATGCTCCAGCAATGCCACAGAATG 2336
QY 2316 AGCTCTCTGTCCTCCAGGATGATTCCTGAAGAGGTGAGATCATGCGAGTC 2375
Db 2337 -----CCAGGAATGATTTCTAAGGAGATCATGTCCTGCCTC 2380
QY 2376 AAGGCCCCACATCATGGCTCTGGGGTGTGGCAGGAGACCCCTCTGCTG 2435
Db 2381 AAGGACCCAAACATCATGCTCTTACGTCAGTGGACGGCGCTGCTG 2440
QY 2436 ATTACTGACTACAGGAGACGGACCTCAACAGTCTCGTGCACCGCTGAG 2495
Db 2441 ATCAGGAAATACATGGAGGATGAGATCTAATCAGTTCTCTGCACGGCTG 2500
QY 2496 GACAGGAGGCCAGGGGCCCTGGGAGGGCAGGGCTGGCAGGGCCACATCGC 2555
Db 2501 A-----GTTCTGTTCTAGTGTGAGGCCACAGTCAGT 2530
QY 2556 TACCAATCTGTCATGGGCCAGATCTCGGCTGCGTATCGGCCACA 2615
Db 2531 TACGCCAACCTGAGTTATGCCAGATGCCCTGTTGAGTACCTTCGCT 2590
QY 2616 CTCAACTTGTACATCGGGACCTGGCCACGCCACTGCCTAGTTGGGAAATTCAAC 2675

RESULT 13
US-08-237-401A-19
; Sequence 19, Application US/08237401A
; Patent No. 5837448
; GENERAL INFORMATION:
; APPLICANT: Lemke Ph.D. et al., Greg E.
; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/237.401A
; FILING DATE: 02-MAY-1994
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/884, 486
; FILING DATE: 15-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07251/007001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3120 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Spatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/286, 305A
 FILING DATE: 05-AUG-1994
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:
 NAME: Lee, Wendy M.
 REGISTRATION NUMBER: 00, 000

REFERENCE/DOCKET NUMBER: 854C1P1

SEQUENCE CHARACTERISTICS:
 LENGTH: 2820 bases
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear

US-08-286-305A-4

Query Match Best Local Similarity Score DB 1; Length 2820;
 Matches 348; Conservative 0; Pred. No. 9.3e-34; Mismatches 218; Indels 15; Gaps 2;

QY 2322 TCCTRGTTCTCCASGRATGATTTCCTGAAGAGGGAAAGTCACTGCGAGGCTCAGGAC 2381
 Db 1994 TCCGAGAGGCTCTGGCAGGAACTTCACGTTGAGAACACCTGGAGAG 2053

QY 2382 CCCACACATTCGCGCTGGGGCTGTGAGGAGGAACTGTCAGGCTCAGGAC 2381
 Db 2054 CAGCACATCTGCCTCTTGGGCTCTCACCGAGGGGCCCTCTGCATGGCTT 2113

QY 2442 GACTACATGAGAAAGGCCACCTTCAACCCTTCAGGCCACCGAGGACAAG 2501
 Db 2114 GAGTATGGCACGGGACCTCAACCCCTCCGGATGGACCTGATGCCA- 2172

QY 2502 GCAGCGAGGGGCCCTGGACGGCAAGCTGGCAAGGCCACCATCAGTACCCA 2561
 Db 2173 -----GCTCTGGTGGTGGAGATGGCTCAGGCCCTGGG 2221

QY 2562 ATGGTGCTCATGGCACCCAGATGCCCTCCGCATCGCTATCTGGCACACTCAC 2621
 Db 2222 CAGCTGCTGGCGTGGCTAACCGAGTCGCTGGGGATGTTACTGGGGGTCTGCA 2281

QY 2622 TTGTCATGGACCTGGCCACCGGAACTGCTTAGTGGAAATTTCACCATCAA 2681
 Db 2282 TTGTCACGGGACCTGGCATGCCACCGGAACTGCTTAGTGGCAAGGACTGGTCAG 2341

QY 2682 ATCGGAGACCTGGCATGCCACCGGAACTATGCTGGGACTTAATCCGTTGAGGC 2741
 Db 2342 ATGGTGTGTTGGCATGGCAGGGATACTACGACCGACTTAATCCGTTGAGGC 2401

QY 2742 CGGGCAGTCTGCCATGCCCTGGGAGTCACTGGCAAGCTGGAGGCTGTGTCAGG 2861
 Db 2402 CGCACCATCTGCCATGGCTGGATGCCAGGATCCCTGACGTTAAGTTCAC 2461

QY 2802 ACTGGCAGTCTGCCATGCCCTGGGAGTCACTGGCAAGCTGGAGGCTGTGTCAGG 2861
 Db 2462 ACCGAGGAGACCTGGCATGCCAGGATCCCTGACGTTAAGTTCAC 2521

QY 2862 GCCCAGCCCTGGGAGGACTGGCTGGAGGCTCTGGAGATCTCAGGCAAG 2902
 Db 2522 ---CAGCCTGGTACCACTCTCCAACAGGGAGCAATGCA 2559

RESULT 14
 US-08-286-305A-4
 ; Sequence 4, Application US/08286305A
 ; General Information:
 ; Patent No. 576863
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Mark, Melanie R.
 ; APPLICANT: Sadick, Michael D.
 ; APPLICANT: Shelton, David L.
 ; APPLICANT: Wong, Wai Lee Tan
 ; TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 460 Point San Bruno Blvd
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 ; COMPUTER: IBM PC compatible

RESULT 15

US-08-441-104A-4

; Sequence 4, Application US/08441104A

; Patent No. 5891650

GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.

APPLICANT: Mark, Melanie R.

APPLICANT: Sadick, Michael D.

APPLICANT: Sheldon, David L.

APPLICANT: Wong, Wai Lee Tan

TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTY: USA

ZIP: 94080

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/441,104A

FILING DATE: 15-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/206305

FILING DATE: 05-AUG-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558

FILING DATE: 20-DEC-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/157563

FILING DATE: 23-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00. 000

REFERENCE/DOCKET NUMBER: 854C1P1C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/922-9894

TELEFAX: 415/952-9891

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 2820 bases

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-441-104A-4

Search completed: October 5, 2002, 20:20:09
Job time: 22867 sec

Qy	2562	ATGCTCTGCATGTGCAAGCCAGATGCCCATGGCTACCTGCGCACACTAAC	2621
Db	2222	CAGCTGCGGGTGGACTAGCGTGGCTCGGGATGGTGACTGCGGRCGTGCA	2281
Qy	2622	TTCGACATCGGACCTGGCACGGACTGGCTAGTGGAAATTTCACCATCAA	2681
Db	2282	TTCGACCGGGACCTGGCCACGGACTGTGTTAGTGGAGTCAG	2341
Qy	2682	ATCCAGACATGGATGAGCGGAACTCTATGGGACTATTACCTGGAGGC	2741
Db	2342	ATGGTGATTTGGCATGGCAGGGATATCACACGACTATTACCTGTGGAGSC	2401
Qy	2742	CGGGCAGTGTGCCCCATCCGCTGGATGGGAGTGCACTCCATGGGAAGTCAG	2801
Db	2402	CGCACATGGCCATTCGTTGGATGGCCGGAGACATCTGTACCGTAC	2461
Qy	2802	ACTGGGAGTACGCTGGGCTTGTGACCCGTGGAGGCTGTGATGCTGTAGG	2861
Db	2462	ACCGAGCAGCTGGGAGCTTCGGCGTGGCTGGAGATCTCACCTAGGCA	2521
Qy	2862	GCCCCCTTGGCAGCCACCGACGAGCAGGTACA	2902
Db	2522	--CAGCCCTGGTACCGCTTCCACACGGAGGAATGAA	2559

Qy	2322	TCCCTGTTCTCAGGAATGATTCCTCAAAGGGTGAAGATCTGGAGGCTCAAGAC	2381
Db	1994	TCCGAGAGTGTCTGGCAGGACTTCACAGTGGCTGAGCTGCTCACATGCGCAGCAC	2053
Qy	2382	CCCAACATCATCGGCCGCTGGCGCTGGCGCTGGAGACGACCCCTGATGATRACT	2441
Db	2054	CAGCACACGCTGGCTCTGGCTGACGGGACCTCAACGCTCTCGATCCATGGACCA	2113
Qy	2442	GACTACATGGAGACGGCAGCTAACAGTCTCTAGTGCCTAACAGCTGGAGGACAG	2501
Db	2114	GAGTATATGGCGCCGGGACCTCAACGCTCTCGATCCATGGACCTGTGACCAA	2172
Qy	2502	GCAGCCGGGGCCCTGGGACGGGAGCTGGCAGGGCCACCATGACTACCA	2561